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Abstract of the Disclosure

A method for controlling an overload of a digital mobile communication system. The digital mobile communication system has a base transceiver station and a base station controller each of which has a database. The method for controlling the overload includes the steps of: a) initializing threshold values stored on the database as a predetermined value; b) monitoring each of utility rates of a control processor resource and a call resource; c) comparing the utility rates of the control processor resource and the call resource with the threshold values respectively, thereby obtaining overload processor resource of the control and the call resource; d) comparing the overload grade of the control resource with the overload grade processor of the call resource, thereby selecting one of the control processor resource and the call resource as a resource to be controlled, which has a higher overload grade; e) determining whether an overload occurs in the resource to be controlled; and f) if in the resource to overload occurs be controlled, informing a base station manager of an occurrence resource to be controlled.